

Converting Colors

$Y_{xy}(18.5549, 0.4166, 0.3949)$

Have a look what the booklet for
Yxy(18.5549, 0.4166, 0.3949)
contains.

Yxy(18.5534, 0.4166, 0.3949)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5534, 0.4166, 0.3949)

Conversions

Conversions Part 1

Format	Color
Hex	967049
RGB	150, 112, 73
RGB Percent	59%, 44%, 29%
CMY	0.4118, 0.5607, 0.7136
CMYK	0.00, 0.25, 0.51, 0.41
HSL	30°, 35%, 44%
HSV	30°, 51%, 59%
XYZ	19.5729, 18.5534, 8.8562
YIQ	118.9160, 35.1670, -4.0730

Conversions

Conversions Part 2

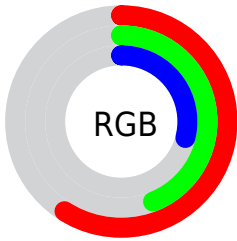
Format	Color
R_{YB}	148, 150, 73
Decimal	9859145
CIE _{Lab}	50.16, 10.09, 27.42
CIE _{LCh}	50, 29.212, 69.797
Yxy	18.5534, 0.4166, 0.3949
Android (android.graphics.Color)	4288049225 (0xFF967049)
YUV	118.9160, -22.6366, 27.2607
Hunter-Lab	43.0737, 5.7325, 17.9612

Details

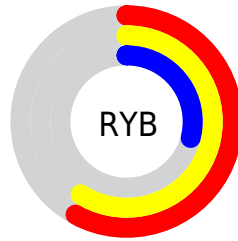
The Yxy color **18.5534, 0.4166, 0.3949** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9868, 0.2326, 0.2501**, and the grayscale version is **18.4852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0779, 0.3932, 0.3824**, and **6.2920, 0.4584, 0.4137** is the 20% darker color. If you saturate the color by 10%, you get **16.8119, 0.4428, 0.4056**, and if you desaturate by 10%, it is **20.4789, 0.3919, 0.3825**.

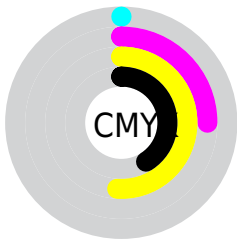
Distribution



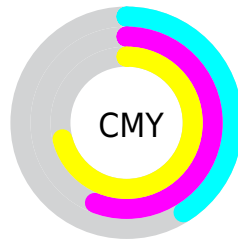
- Red (59%)
- Green (44%)
- Blue (29%)



- Red (58%)
- Yellow (59%)
- Blue (29%)



- Cyan (0%)
- Magenta (25%)
- Yellow (51%)
- Black (41%)




- Cyan (41%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5534, 0.4166, 0.3949 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.5534, 0.4166, 0.3949 by changing the saturation by 10% instead.


 18.5534, 0.4166,
0.3949


 18.5534, 0.4166,
0.3949


243.9721, 0.3571,
0.3594

 11.3480, 0.4340,
0.4040


 40.9781, 0.3931,
0.3816


 6.3014, 0.4576,
0.4151


 56.9662, 0.3848,
0.3767


 3.0292, 0.4952,
0.4316

 76.6506, 0.3781,
0.3726

 1.1470, 0.5514,
0.4486

 100.4158, 0.3725,
0.3691

 0.0178, 0.9367,
0.0633

 128.6462, 0.3677,
0.3661

 0.0000, 0.0000,
0.0000

161.7261, 0.3637,

0.3636

200.0399, 0.3602,
0.3613

■ 18.5534, 0.4166,
0.3949

■ 18.5534, 0.4166,
0.3949

■ 16.8119, 0.4428,
0.4056

■ 20.4789, 0.3919,
0.3825

■ 15.2451, 0.4694,
0.4135

■ 22.5920, 0.3692,
0.3692

■ 13.8465, 0.4950,
0.4173

■ 24.8995, 0.3488,
0.3559

■ 12.6079, 0.5182,
0.4162

■ 27.4070, 0.3306,
0.3429

■ 11.6487, 0.5364,
0.4123

■ 30.1198, 0.3147,
0.3306

■ 33.0429, 0.3007,
0.3190

■ 36.1813, 0.2885,
0.3083

■ 39.5397, 0.2778,
0.2984

■ 43.1227, 0.2684,
0.2894

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.5534, 0.4217, 0.3534



18.5534, 0.4166, 0.3949



18.5534, 0.3826, 0.4243

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.5534, 0.4166, 0.3949



18.5534, 0.2359, 0.3415



18.5534, 0.2863, 0.2490

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.5534, 0.4166, 0.3949



14.9868, 0.2326, 0.2501

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.5534, 0.2418, 0.2416



18.5534, 0.4166, 0.3949



18.5534, 0.2148, 0.2890

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.5534, 0.4166, 0.3949



18.5534, 0.2778, 0.3958



18.5534, 0.2170, 0.2544



18.5534, 0.3424, 0.2735

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.5534, 0.4166, 0.3949



18.5534, 0.3495, 0.4301



18.5534, 0.2170, 0.2544



18.5534, 0.2696, 0.2444

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.5543, 0.4166, 0.3949



46.5731, 0.3376, 0.3480



12.4092, 0.3807, 0.2646



10.1349, 0.3410, 0.3505



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5543, 0.4166, 0.3949



29.1249, 0.4478, 0.4074



28.7718, 0.3856, 0.4495



6.2719, 0.3271, 0.3402



9.7276, 0.5354, 0.4131



0.1780, 0.4755, 0.4606

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.9868, 0.2326, 0.2501



22.0840, 0.2152, 0.2275



8.3865, 0.2174, 0.1714



6.0772, 0.2989, 0.3175



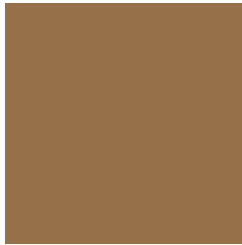
5.9537, 0.1777, 0.1596



0.1316, 0.1993, 0.2373

Previews

White Background



This preview shows how the Yxy color 18.5534, 0.4166, 0.3949 looks on a white background.

Color Contrast Check

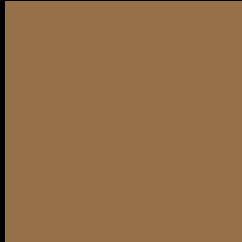
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.5534, 0.4166, 0.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

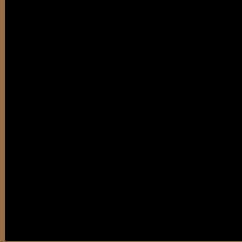
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5534, 0.4166, 0.3949

Background



This preview shows how black text looks on a background with the Yxy color 18.5534, 0.4166, 0.3949.



This preview shows how white text looks on a background with the Yxy color 18.5534, 0.4166, 0.3949.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.5534, 0.4166, 0.3949

Protanopia

18.7006, 0.3789, 0.4113

Deuteranopia

18.5354, 0.4080, 0.4002



Tritanopia

18.6232, 0.3676, 0.3158

Trichromacy



Original Color

18.5534, 0.4166, 0.3949

Protanomaly

18.5489, 0.3920, 0.4051

Deuteranomaly

18.4943, 0.4116, 0.3977

Tritanomaly

18.6297, 0.3865, 0.3444

Monochromacy



Original Color

18.5534, 0.4166, 0.3949

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.1959, 0.3487, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5534, 0.4166, 0.3949 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 112, 73)` looks like.

```
.text, #text, p{  
    color:rgb(150, 112, 73)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 112, 73) }
```

Border

The CSS property to change the border of an element to Yxy 18.5534, 0.4166, 0.3949 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 112, 73) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 112, 73) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 112, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(150, 112,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5534, 0.4166, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 112, 73) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
112, 73) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor